

APPENDIX E

HARMONIC EMISSION LEVEL MEASUREMENTS

This appendix contains the measurements of harmonic amplitude levels in $\text{dB}\mu\text{V/m}$ and dBpW for Ovens #1, #2, #6, #7, and #8. The harmonic frequencies were measured out to the 7th harmonic range: 4800-5000 MHz, 7200-7500 MHz, 9600-10000 MHz, 12.0-12.5 GHz, 14.4-15.0 GHz, and 16.8-17.5 GHz.

In measurements of oven data, there were several levels that represent the measurement noise floor adjusted for the gain of the measurement antenna and not actual emission levels: Oven #1, 7th harmonic range between 17.4 and 17.5 GHz (see Figure E-7); Oven #6, 5th harmonic range between 12.38 and 12.42 GHz (see Figure E-19); Oven #6, 7th harmonic range between 17.4 and 17.5 GHz (see Figure E-21); Oven #8, 5th harmonic range between 12.38 and 12.44 GHz (see Figure E-33); Oven #8, 7th harmonic range between 17.4 and 17.5 GHz (see Figure E-36). At those frequencies ranges the harmonic levels fell below that system noise and these figures do not show the actual emission levels.

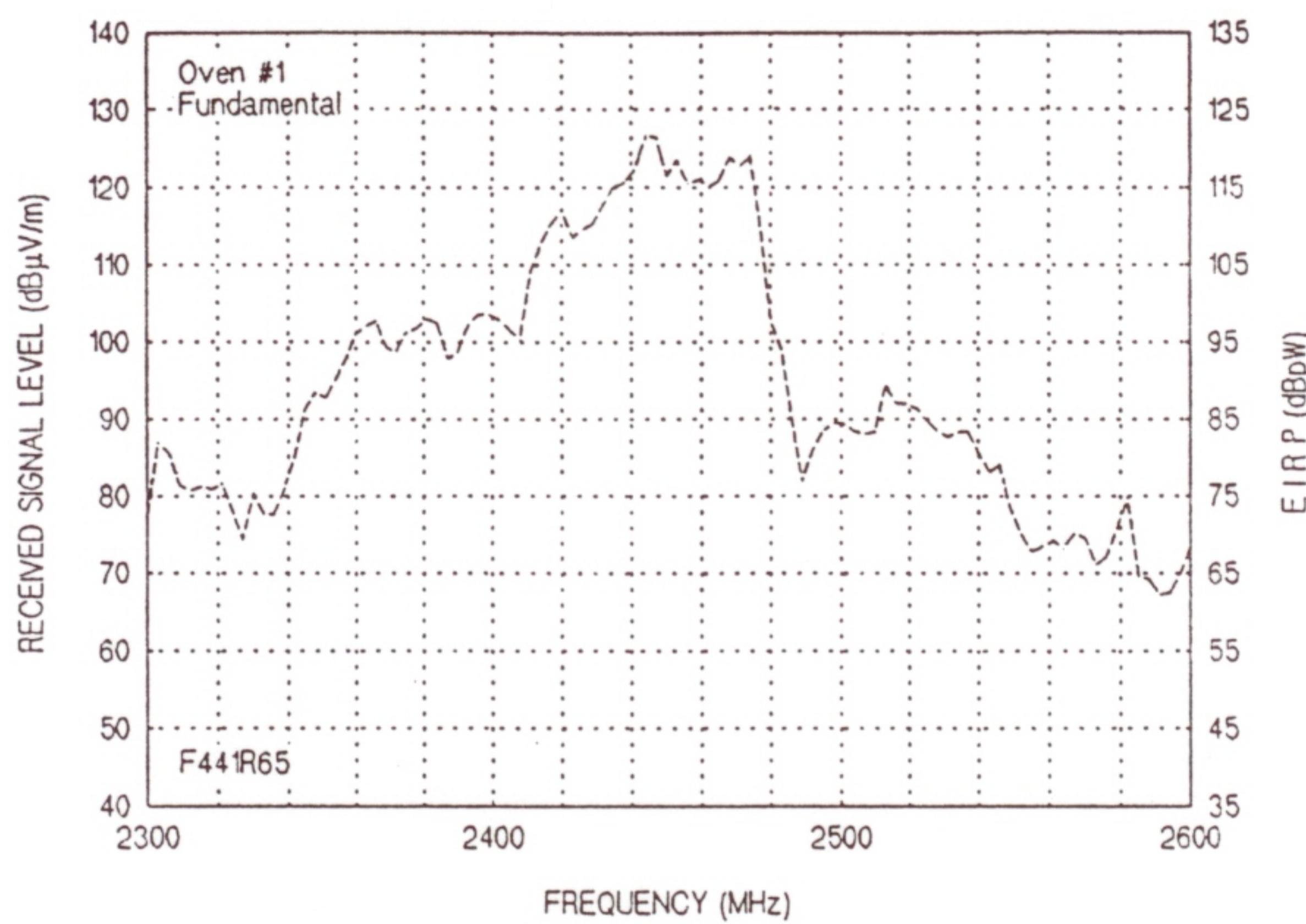


Figure E-1. Oven #1, Fundamental frequency range vs. amplitude.

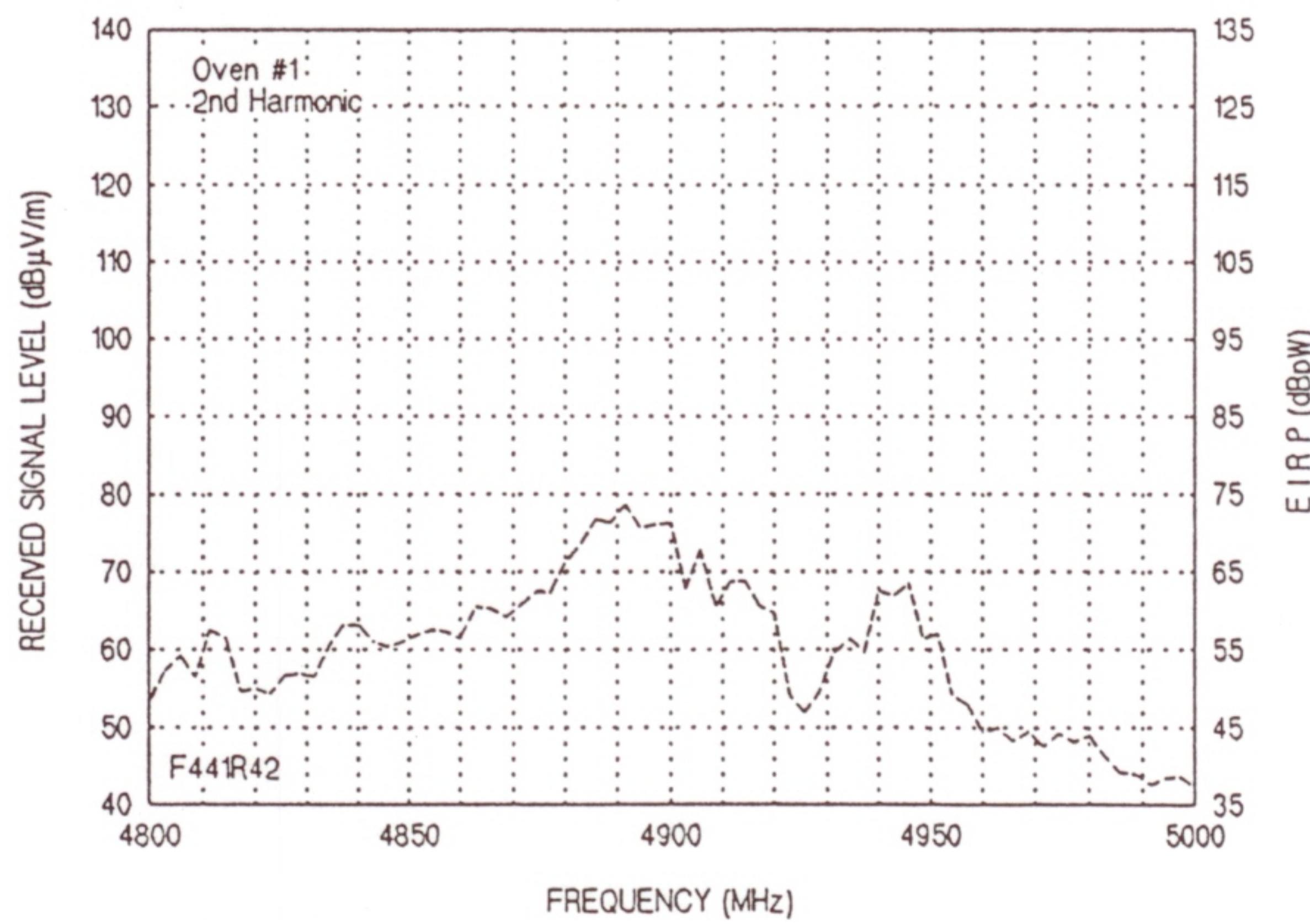


Figure E-2. Oven #1, 2nd Harmonic frequency range vs. amplitude.

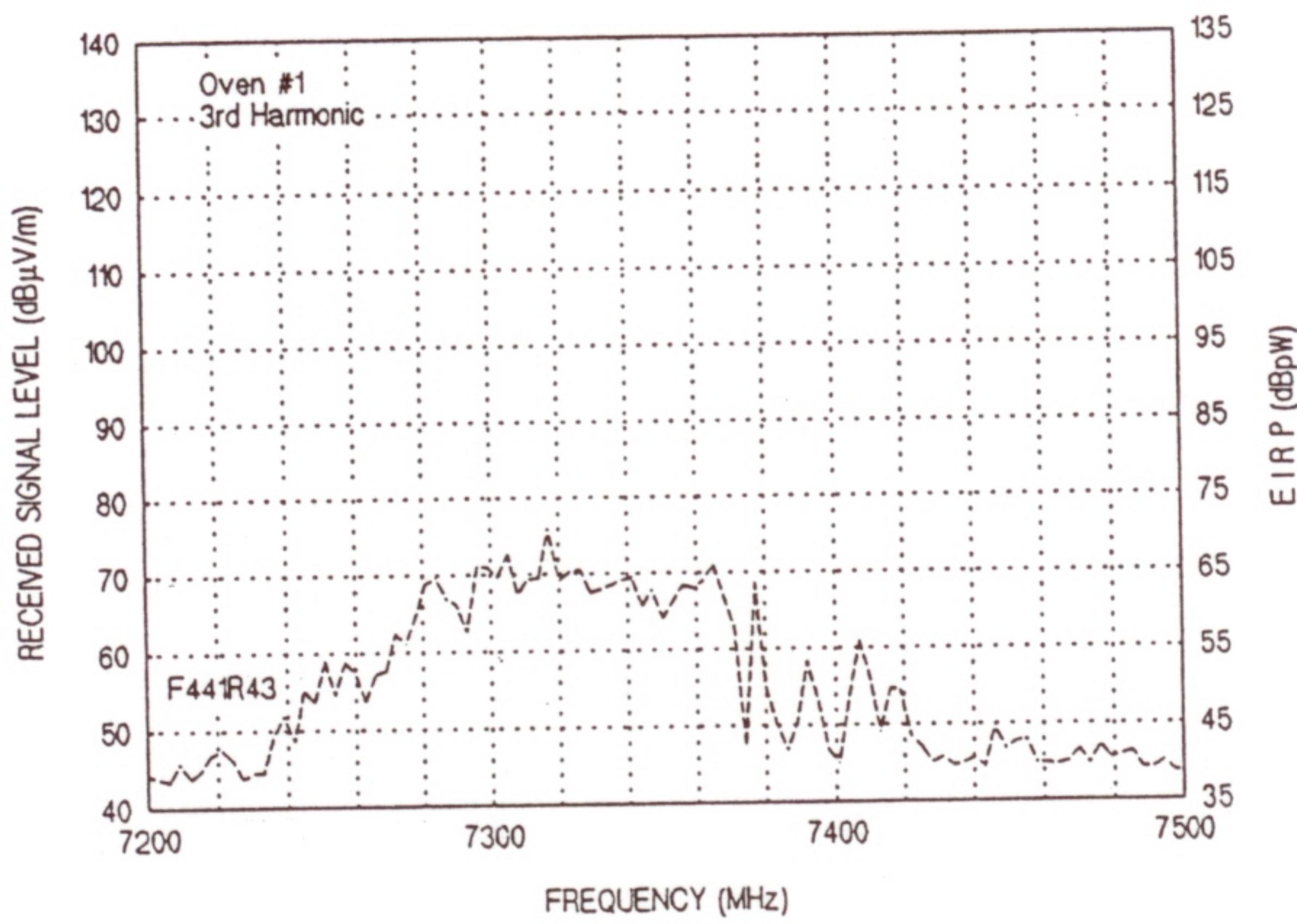


Figure E-3. Oven #1, 3rd Harmonic frequency range vs. amplitude.

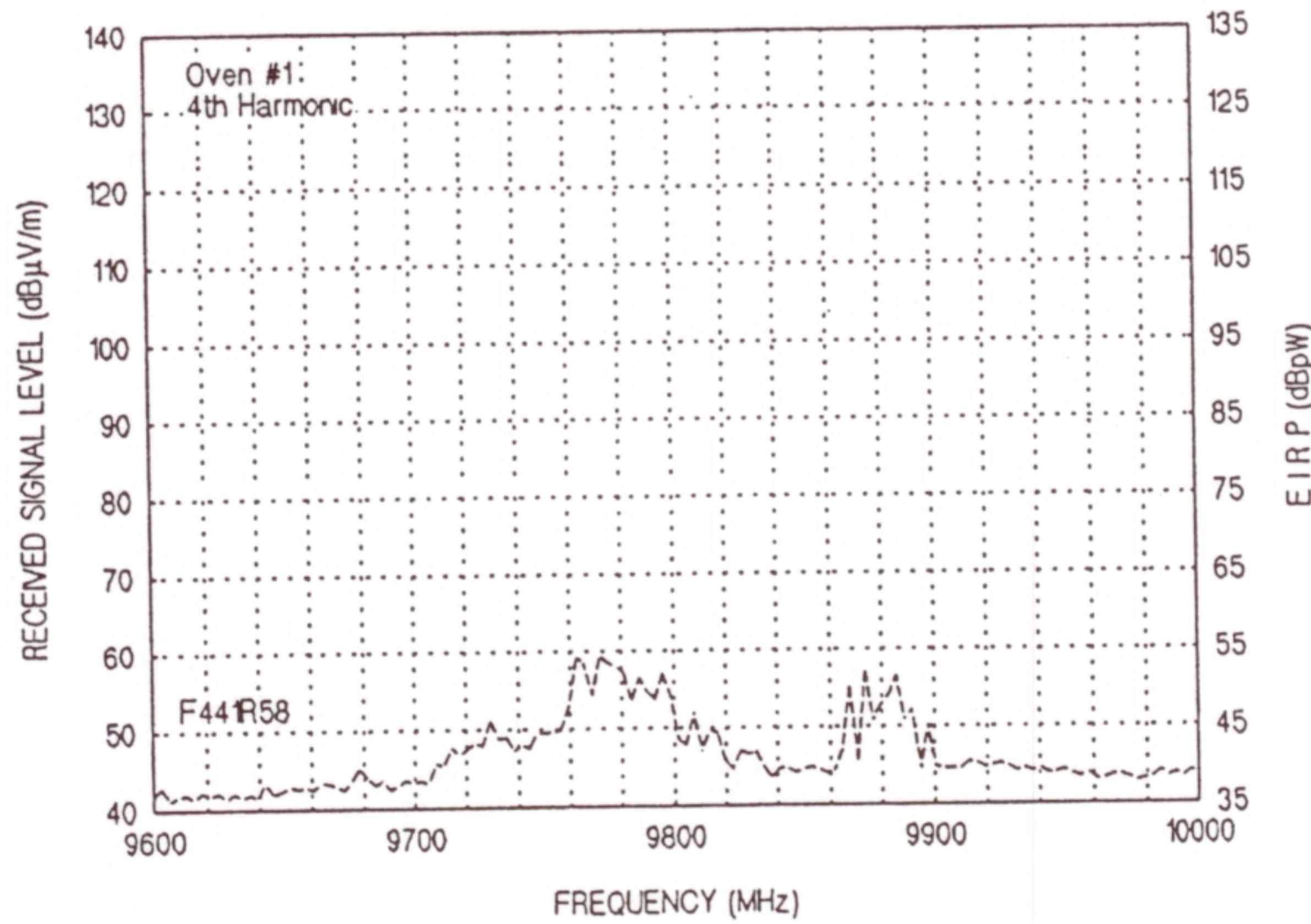


Figure E-4. Oven #1, 4th Harmonic frequency range vs. amplitude.

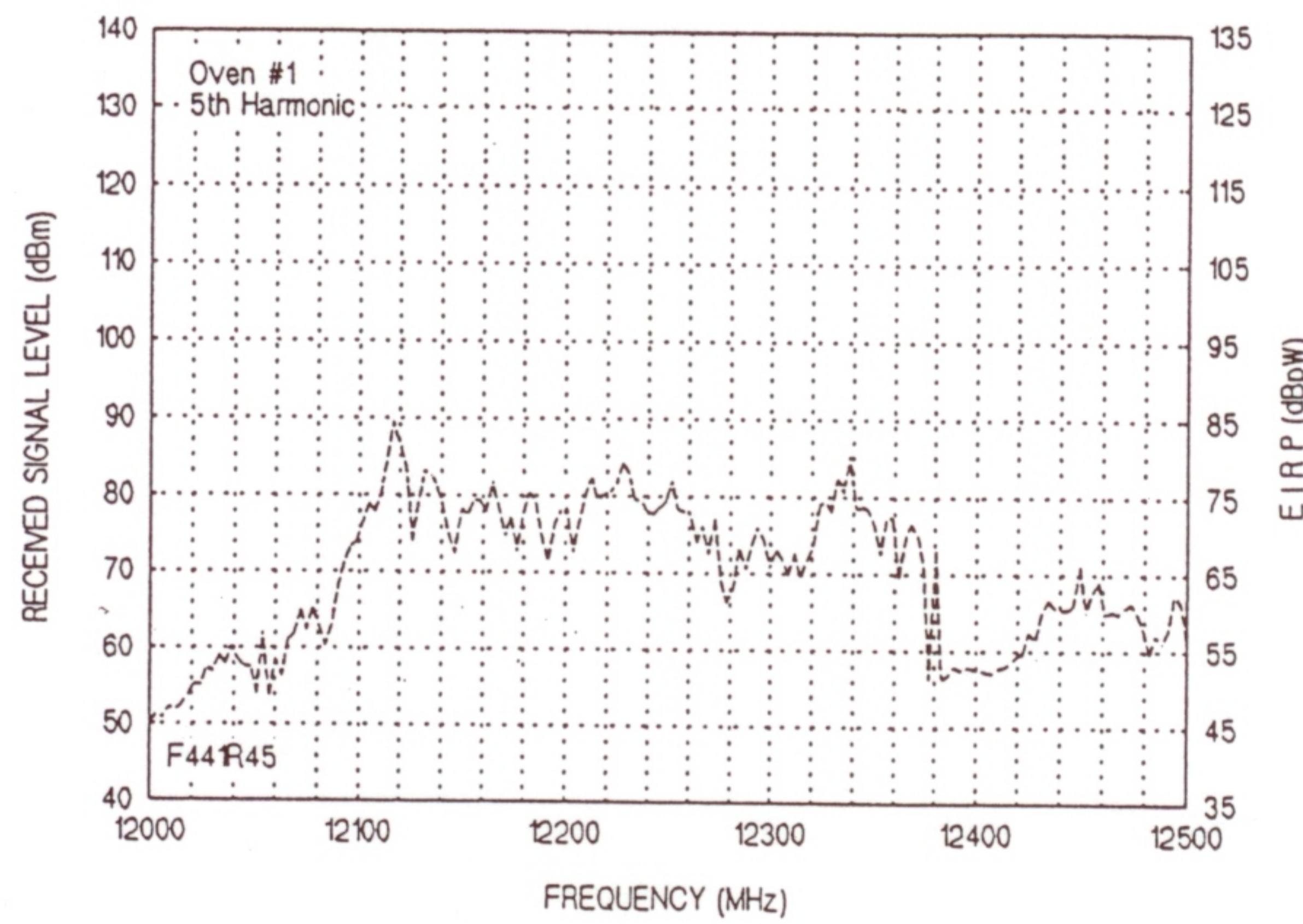


Figure E-5. Oven #1, 5th Harmonic frequency range vs. amplitude.

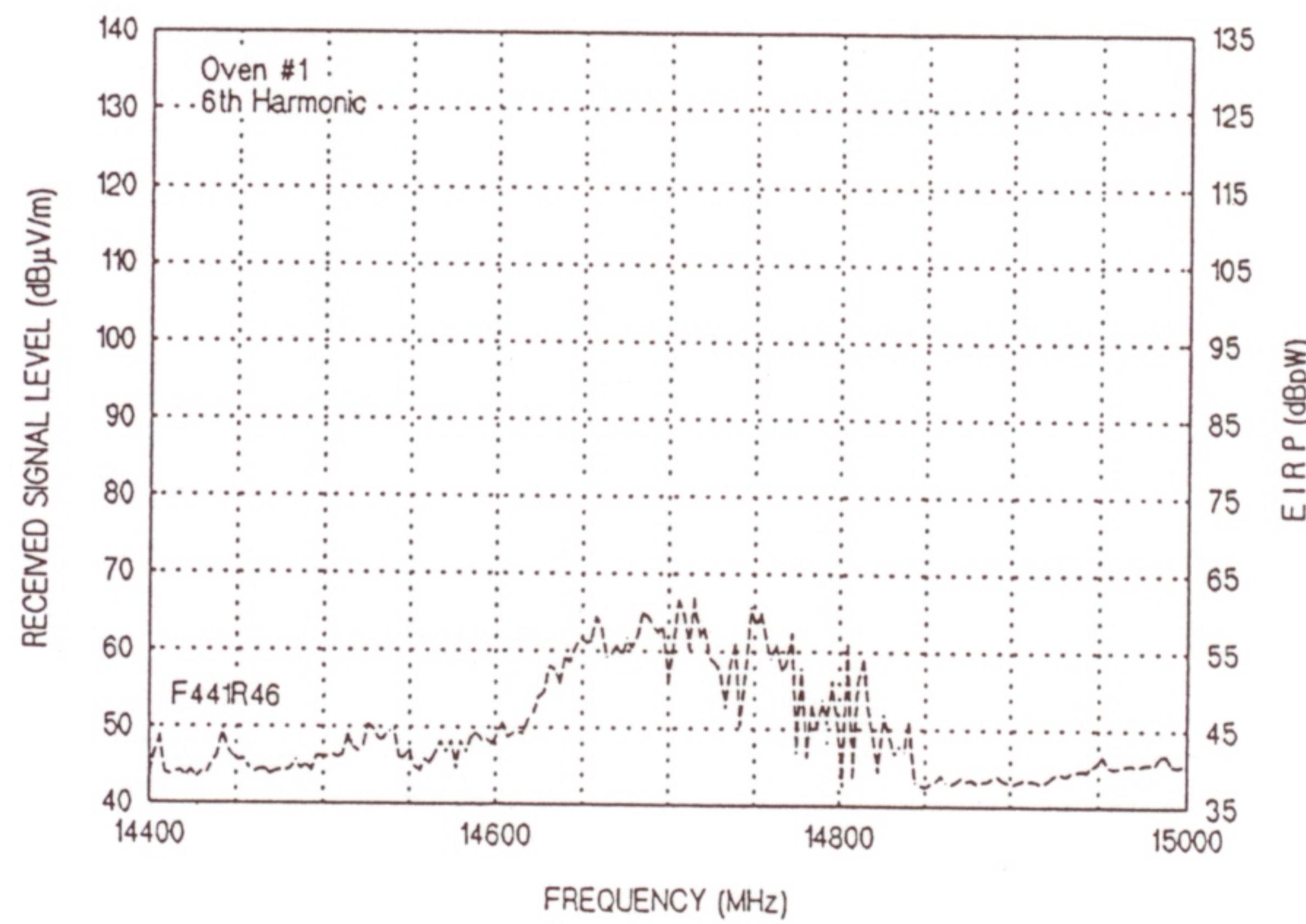


Figure E-6. Oven #1, 6th Harmonic frequency range vs. amplitude.

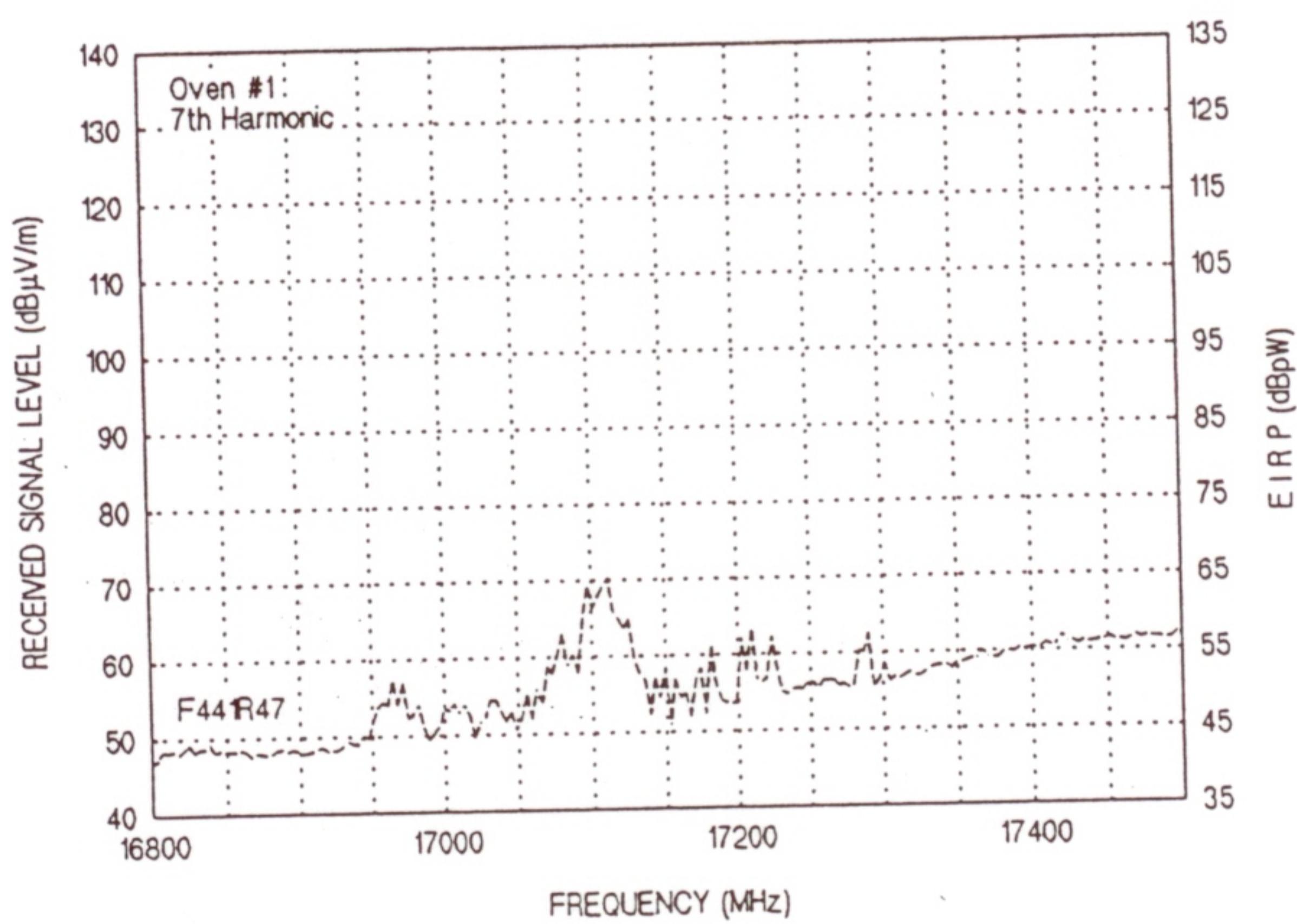


Figure E-7. Oven #1, 7th Harmonic frequency range vs. amplitude.

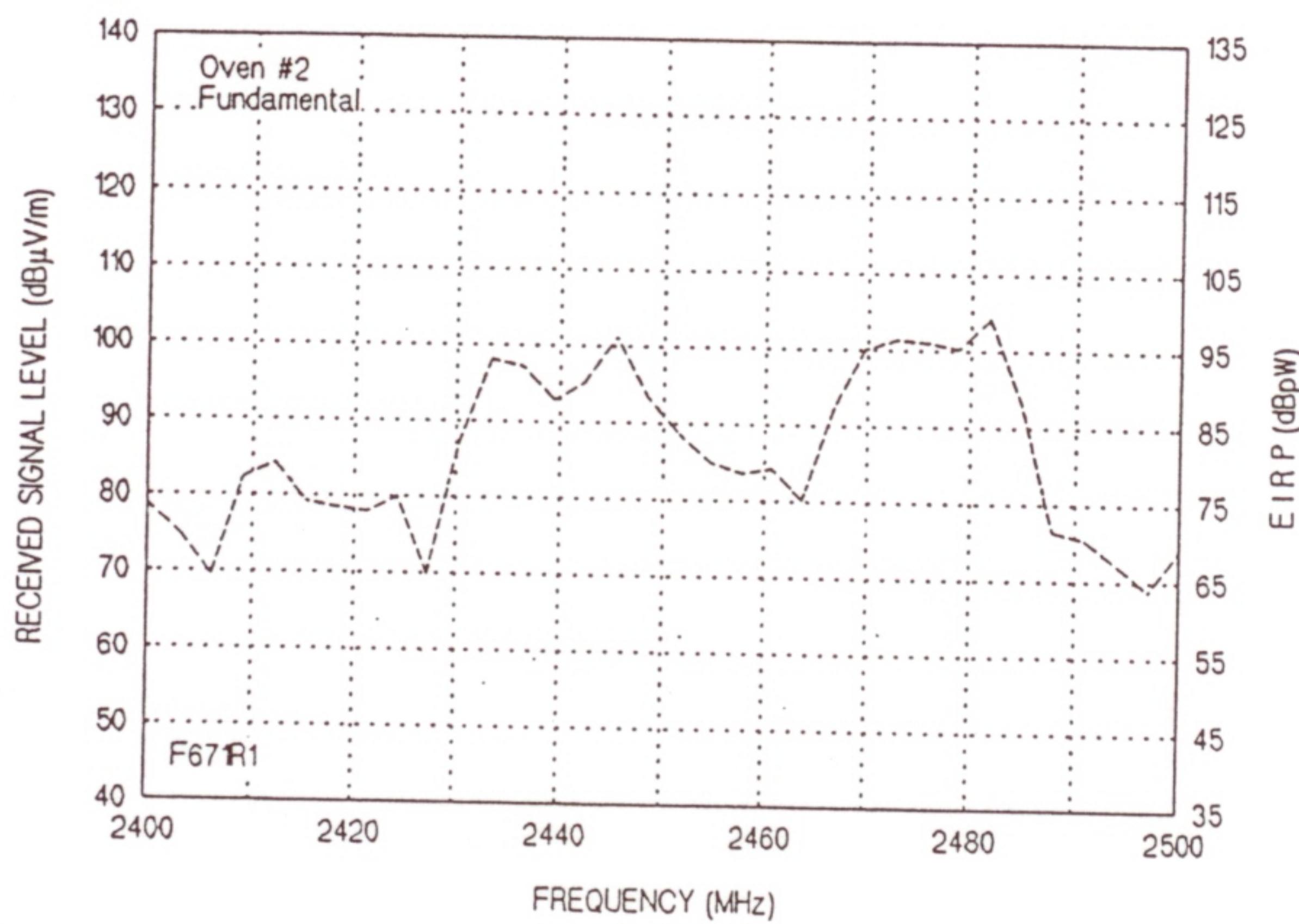


Figure E-8. Oven #2, Fundamental frequency range vs. amplitude.

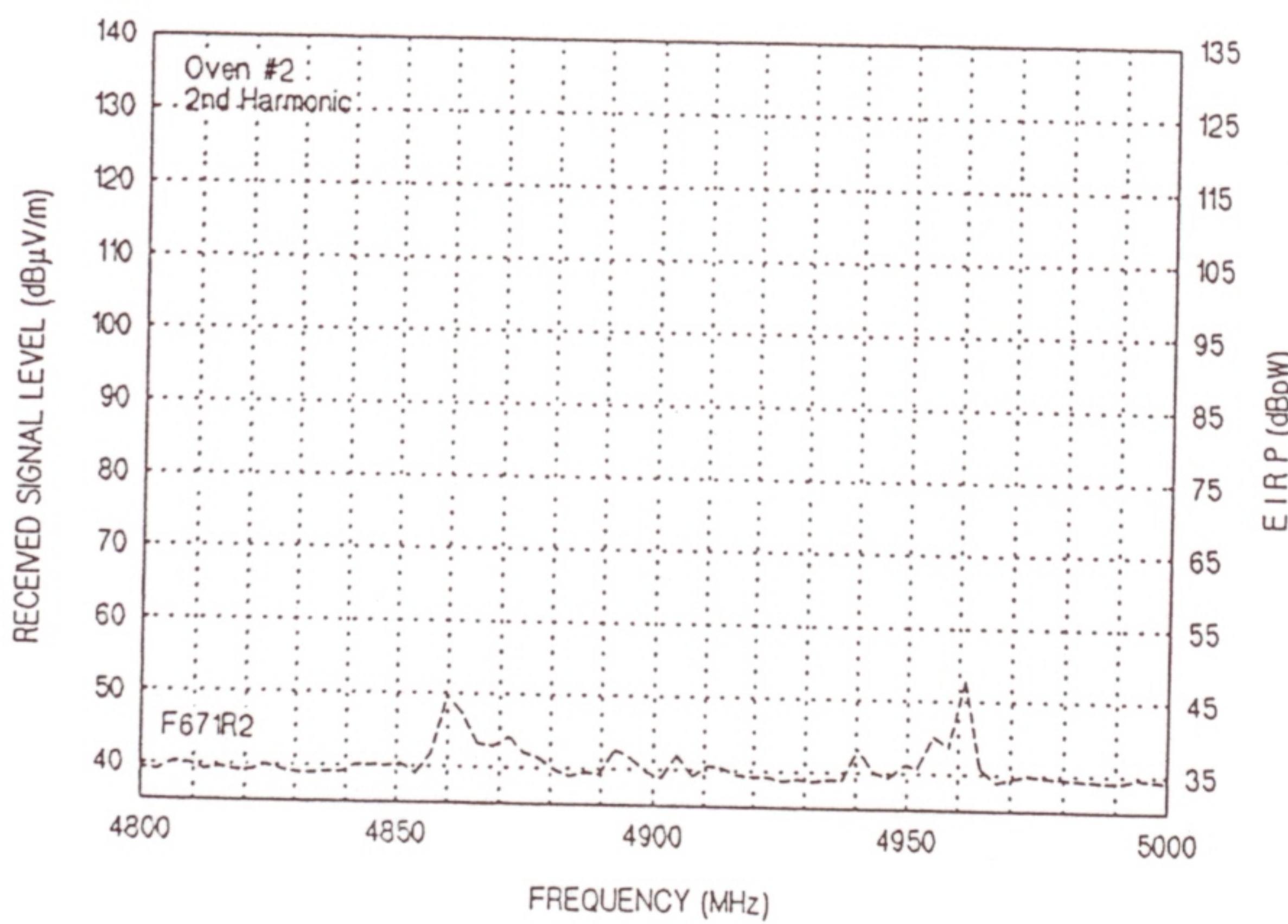


Figure E-9. Oven #2, 2nd Harmonic frequency range vs. amplitude.

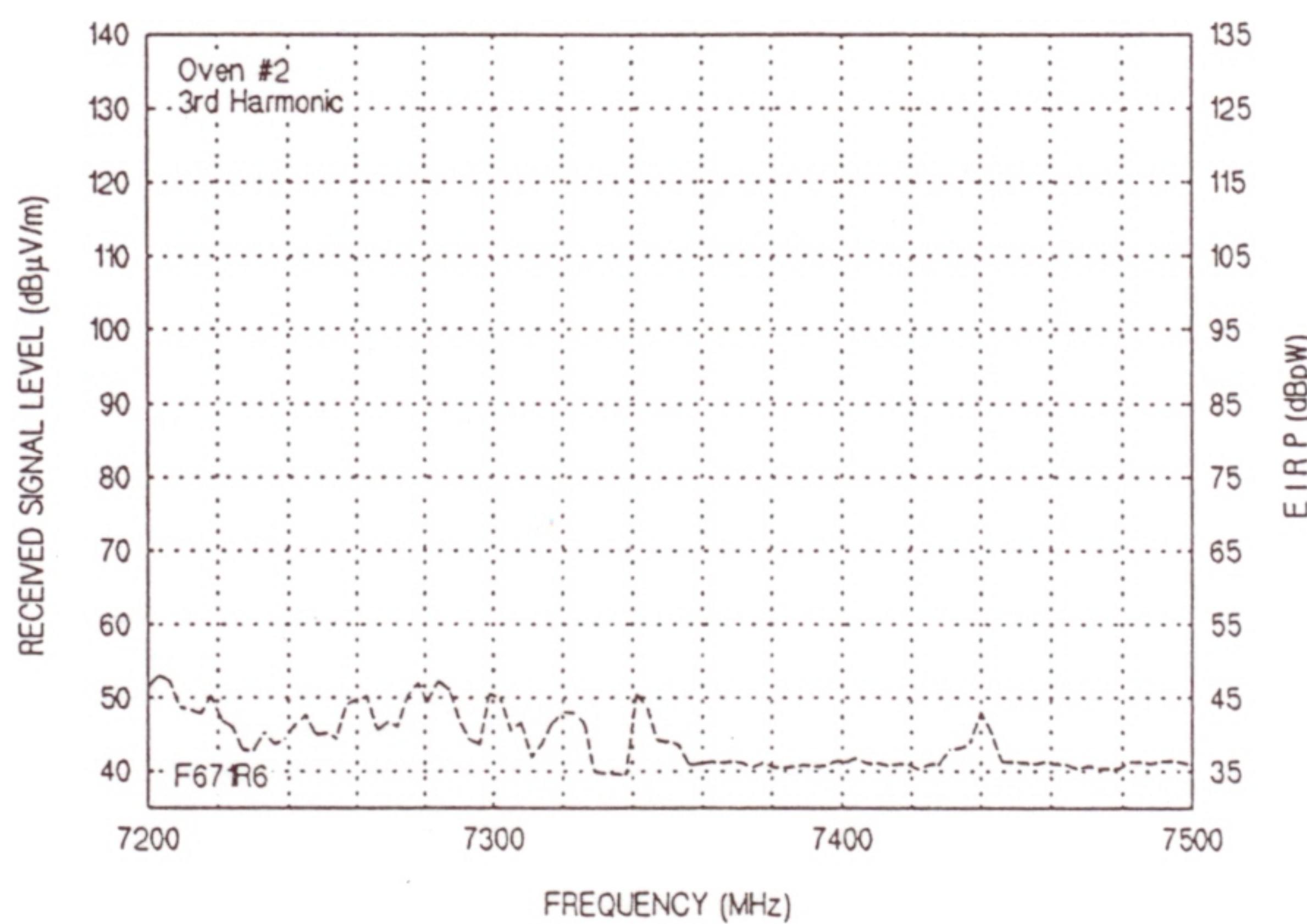


Figure E-10. Oven #2, 3rd Harmonic frequency range vs. amplitude.

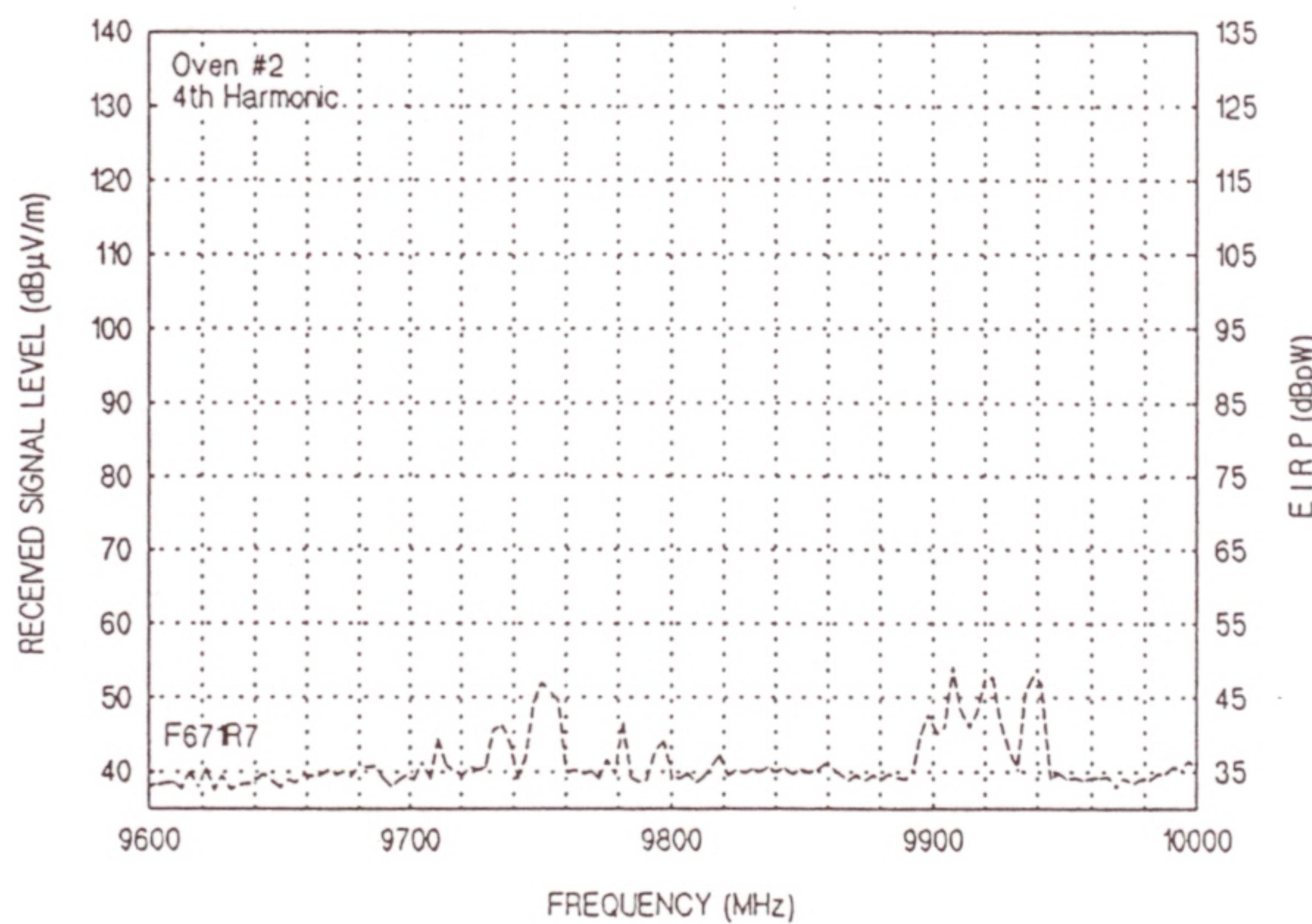


Figure E-11. Oven #2, 4th Harmonic frequency range vs. amplitude.

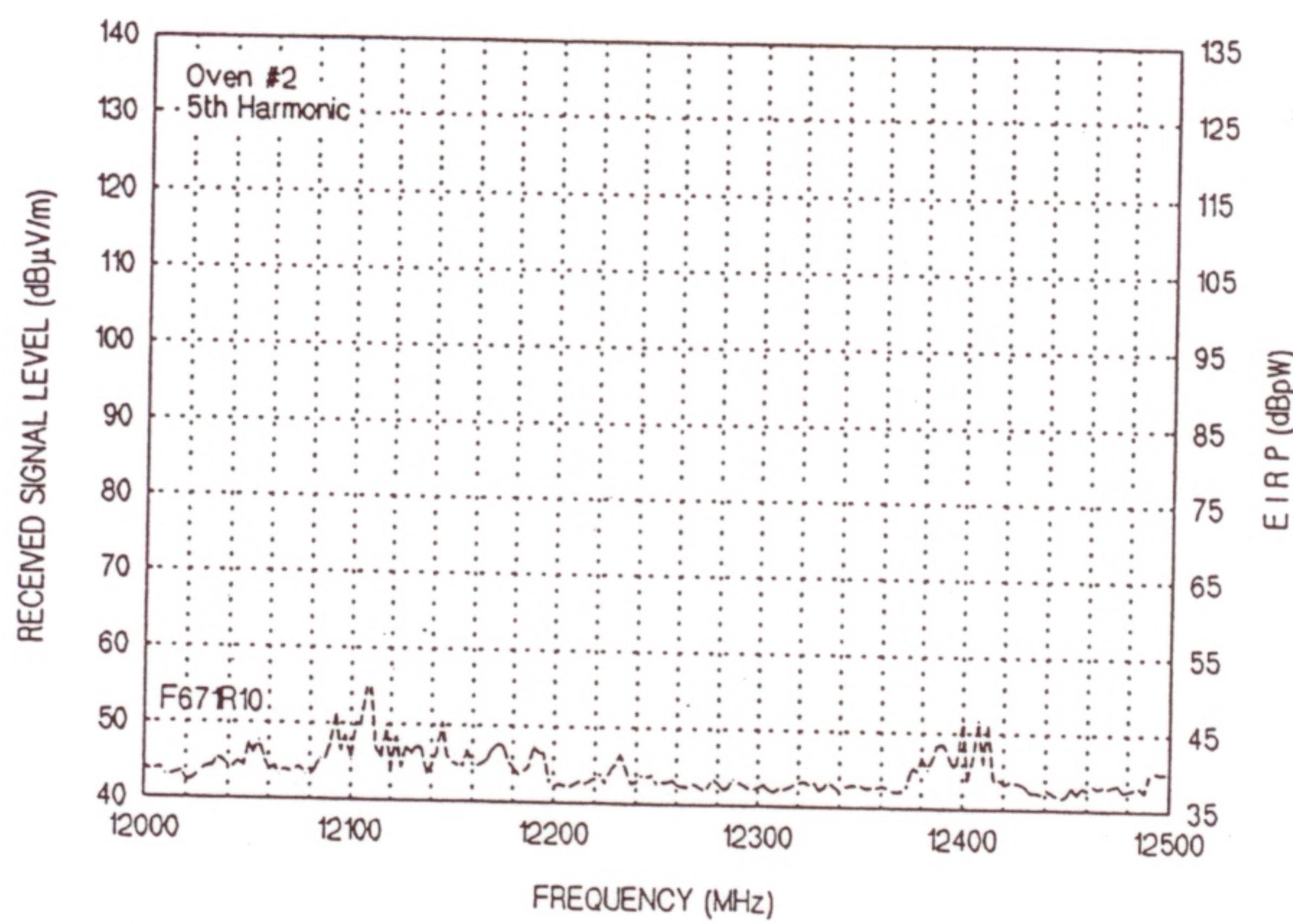


Figure E-12. Oven #2, 5th Harmonic frequency range vs. amplitude.

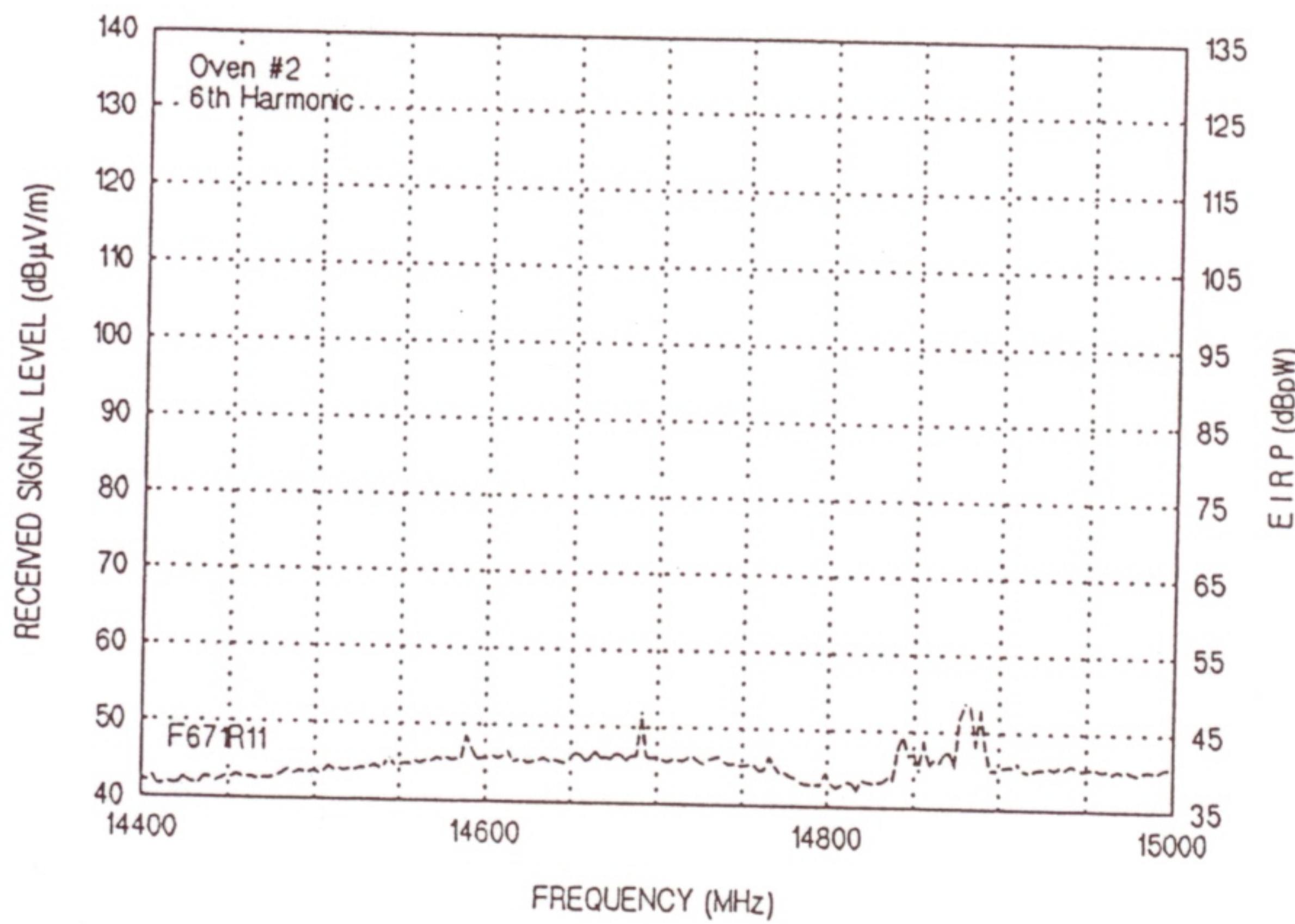


Figure E-13. Oven #2, 6th Harmonic frequency range vs. amplitude.

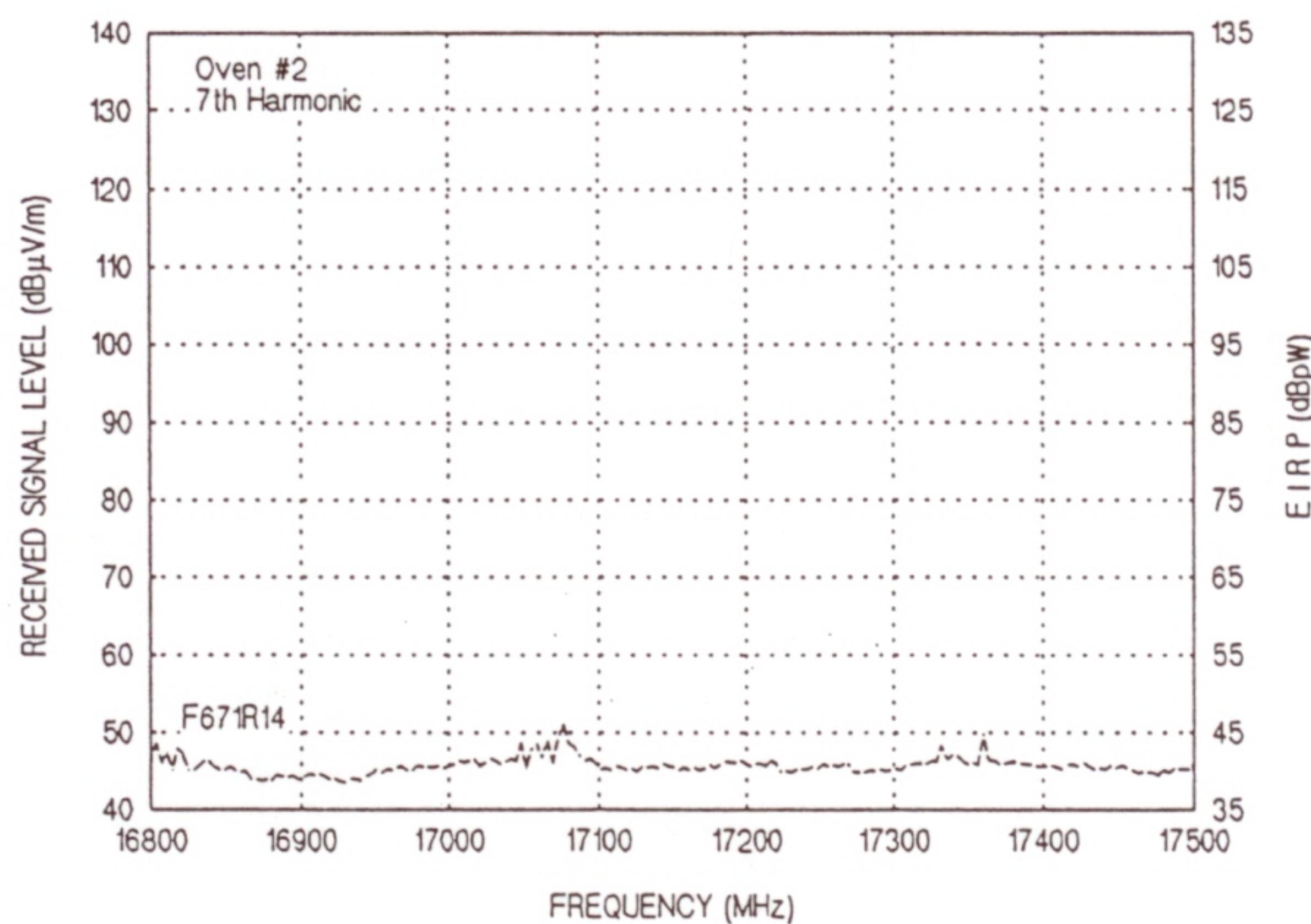


Figure E-14. Oven #2, 7th Harmonic frequency range vs. amplitude.

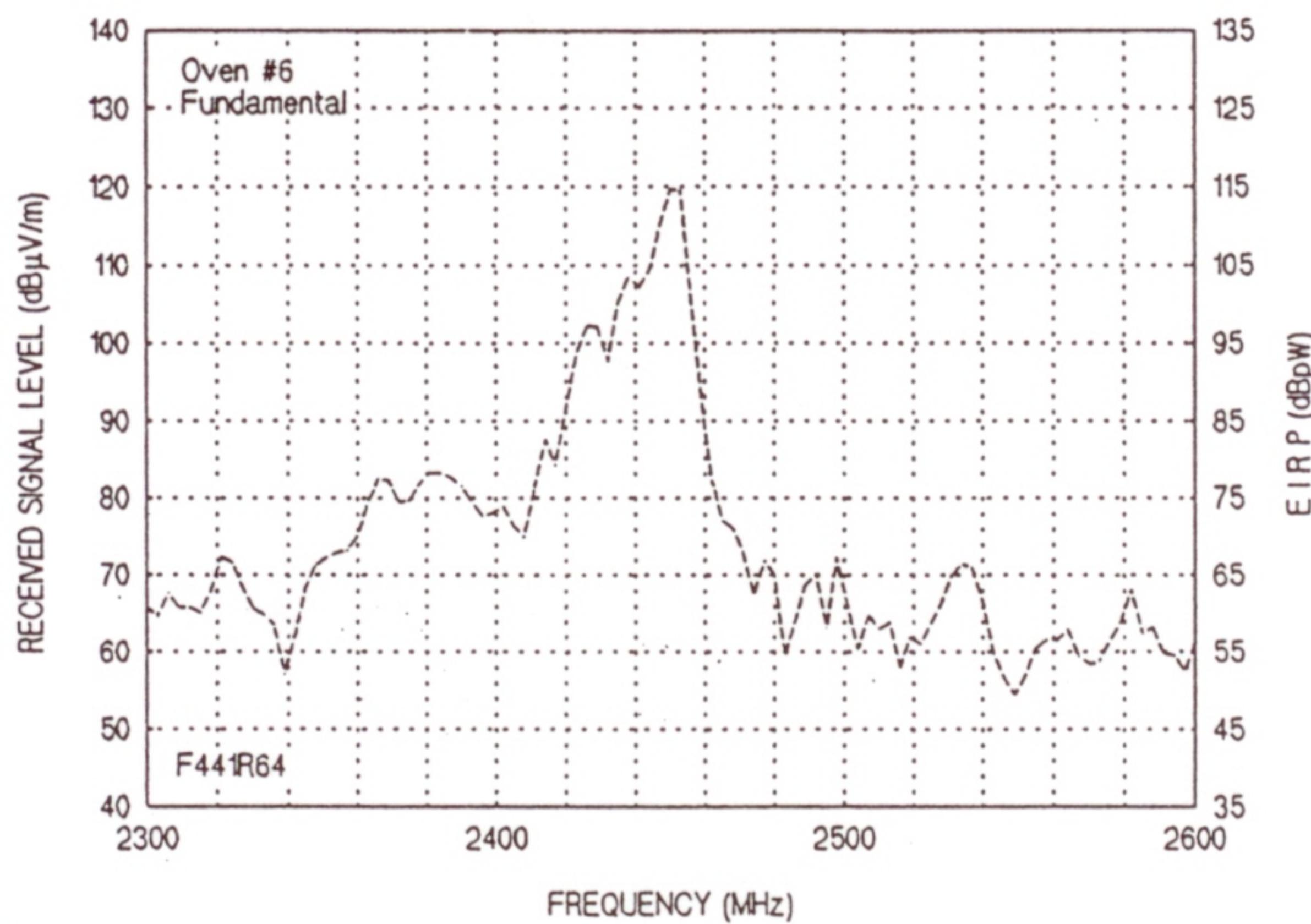


Figure E-15. Oven #6, Fundamental frequency range vs. amplitude.

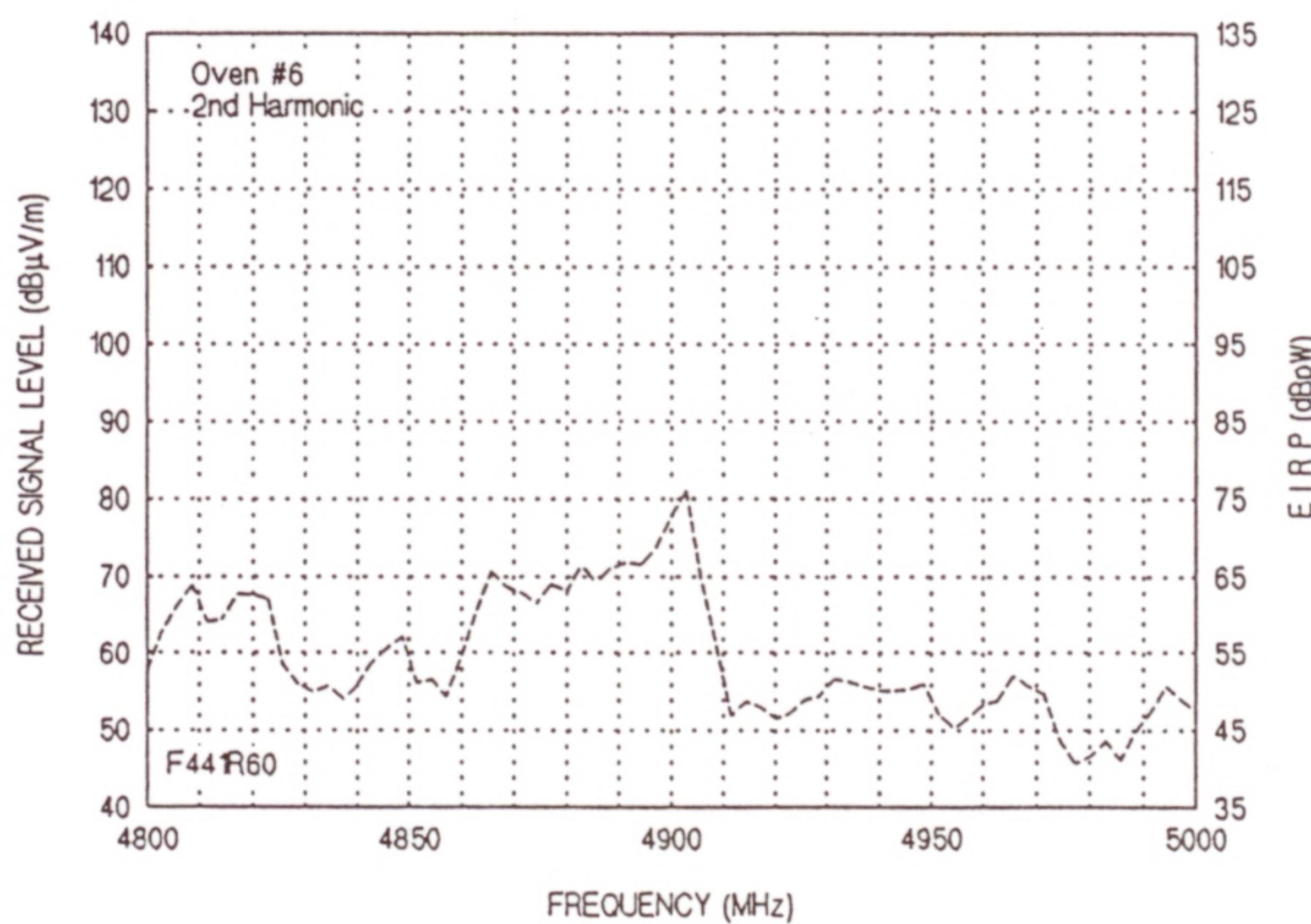


Figure E-16. Oven #6, 2nd Harmonic frequency range vs. amplitude.